

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.  
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: MASSAC COUNTY HOUSING AUTHORITY	Operator ID#: 38665
Inspection Date(s): 4/17/2014	Man Days: 1
Inspection Unit: MASSAC COUNTY HOUSING AUTHORITY	
Location of Audit: Metropolis Joppa Brookport	
Exit Meeting Contact: Bill Ward	
Inspection Type: Standard Inspection - Field Audit	
Pipeline Safety Representative(s): Jim Watts	
Company Representative to Receive Report: Paul McKnight	
Company Representative's Email Address: Mcha@djklinc.net	

Headquarters Address Information:	1209 E. Fifth Street Metropolis, IL 62960 Emergency Phone#: (618) 524-2739 Fax#:	
Official or Mayor's Name:	Paul McKnight Phone#: (618) 524-8411 Email: Mcha@djklinc.net	
Inspection Contact(s)	Title	Phone No.

CUSTOMER METER & REGULATOR		Status
[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	<b>Satisfactory</b>
<u>General Comment:</u> <i>The meter installations reviewed at the Joppa, Brookport and Metropolis sites were located in an accessible location, were painted to protect against corrosion and were placed away from vehicular traffic.</i>		
[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
<u>General Comment:</u> <i>The regulator vents at the meter installations inspected at the Joppa, Brookport and Metropolis sites were observed having vent screens in place to protect against insects and were positioned to prevent the entrance of rain or ice.</i>		
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>Meter installations inspected at the Joppa, Brookport and Metropolis sites were located away from windows or building openings.</i>		
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The regulator vents were located at heights to protect against submergence if flooding were to occur. The units located near the Office in Metropolis were the only site that has previously encountered flooding and have been raised to prevent a reoccurrence if flooding were to occur.</i>		
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Meter set piping inspected during the site inspections performed at the Joppa, Brookport and Metropolis were observed being supported to prevent against piping strains.</i>		
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>All regulators and meter installations inspected were located outside where gas could safely vent to the outside atmosphere.</i>		
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Meter operating pressures were 4 ounces and were well within the allowable limits of the 5 to 10 psig limitations of the meter cases on the installations inspected.</i>		
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>All services inspected at the Joppa, Brookport and Metropolis sites audited had a shutoff valve located upstream of the gas meter and were located on the exterior of the housing units.</i>		
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>There are no below ground valves located on service lines in the Massac County Housing gas systems.</i>		
[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>No service was observed having been previously discontinued during the field audit performed on the Massac Housing systems.</i>		
<b>CATHODIC PROTECTION</b>		<b>Status</b>
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Pipe to soil potentials performed were indicating potentials between -1.1 and -1.2 volts. Protection is being applied using anodes.</i>		

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[192.465(a)]	Were pipe to soil readings taken?	Satisfactory
<p><b>General Comment:</b></p> <p><i>Pipe to soil potentials were performed at the Young and King sites in Brookport, Illinois and indicated potentials of -1.1 and -1.2 volts. Staff observed the inlet piping at the King site at the master meter was indicating a potential of -.550 volts. Staff informed Liberty Utilities of the low potential reading and requested they investigate further to determine why it is below protective levels.</i></p> <p><i>The Spence units located in Metropolis, Illinois was the next site with coated steel piping and testing performed indicated potential levels of -1.2 volts. The master meter is within a locked fenced enclosure and was not accessible for testing the inlet piping. The master meter for the Joppa units was indicating a potential of -1.2 volts on the inlet piping. The downstream piping at this site was pe.</i></p>		
[192.465(b)]	Were rectifier installations inspected?	Not Applicable
<p><b>General Comment:</b></p> <p><i>There are no rectifiers utilized to protect the Massac County Housing piping systems.</i></p>		
[192.465(a)]	Were isolated mains/services tested?	Not Applicable
<p><b>General Comment:</b></p> <p><i>There are no isolated mains or services in the Massac County systems.</i></p>		
[192.465(c)]	Were critical/non critical bonds tested?	Not Applicable
<p><b>General Comment:</b></p> <p><i>There are no critical or non-critical bonds in the Massac County Housing systems.</i></p>		
[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	Satisfactory
<p><b>General Comment:</b></p> <p><i>Insulation was provided using meter spuds or insulated shutoff valves.</i></p>		
[192.467(c)]	Were casings installations tested for electrical isolation?	Not Applicable
<p><b>General Comment:</b></p> <p><i>There are no casings in the Massac County Housing system.</i></p>		
[192.479(a)]	Is the above ground piping coated or painted as required?	Satisfactory
<p><b>General Comment:</b></p> <p><i>Above ground piping was observed having been painted to protect against atmospheric corrosion.</i></p>		
[192.479(c)]	Is the pipeline free of corrosion or pitting?	Satisfactory
<p><b>General Comment:</b></p> <p><i>No pitting or indications of external corrosion were observed during the field audit.</i></p>		
<b>DAMAGE PREVENTION</b>		<b>Status</b>
[192.614]	Does the operator have a valid notification of planned excavation activities?	Not Checked

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<b><u>General Comment:</u></b>		
No completed or current locates were reviewed during the field audit.		
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
No completed locates were reviewed as part of the field audit.		
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
No completed locates were reviewed as part of the field audit.		
[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
No line markers are utilized by Massac County. Their piping is located on property under their control and does not cross or lie on public property and is located in a class two-three location. Massac County is a member of JULIE.		
[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
No line markers are utilized by Massac County. Their piping is located on property under their control and does not cross or lie on public property and is located in a class two-three location. Massac County is a member of JULIE.		
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
No line markers are utilized by Massac County. Their piping is located on property under their control and does not cross or lie on public property and is located in a class two-three location. Massac County is a member of JULIE.		
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
No line markers are utilized by Massac County. Their piping is located on property under their control and does not cross or lie on public property and is located in a class two-three location. Massac County is a member of JULIE.		
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator	<b>Not Applicable</b>

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	where the operator can be reached at all times?	
<b>General Comment:</b>		
No line markers are utilized by Massac County. Their piping is located on property under their control and does not cross or lie on public property and is located in a class two-three location. Massac County is a member of JULIE.		
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>
<b>Category Comment:</b>		
Currently, Massac County has no pressure regulating or overpressure protection facilities that require annual inspections. These are all owned and operated by Liberty Utilities.		
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	<b>Not Applicable</b>
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Not Applicable</b>
[192.741(a),192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Not Applicable</b>
[192.743(a)]	Is overpressure protection provided on the pipeline down stream of the take point?	<b>Not Applicable</b>
[192.199(d)]	Did the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Not Applicable</b>
[192.199(e)]	Did the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	<b>Not Applicable</b>
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	<b>Not Applicable</b>
<b>VALVE MAINTENANCE</b>		<b>Status</b>
[192.747(a)]	Were the valves inspected accessible?	<b>Satisfactory</b>
<b>General Comment:</b>		
Emergency valves are located on the outlet piping of the master meter sets and are located above ground. There are no below ground valves in the Massac County systems that are designated as emergency valves.		
<b>ODORIZATION OF GAS</b>		<b>Status</b>
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	<b>Not Checked</b>
<b>General Comment:</b>		
Odorometer tests were not conducted as part of the field audit. Liberty Utilities supplies Massac County with odorized gas.		
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	<b>Not Applicable</b>

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<b><u>General Comment:</u></b>		
<i>Massac County does not own or operate odorization equipment. This is owned and operated by Liberty Utilities.</i>		
[192.625(f)]	Was the operator's equipment calibrated as required?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>No odorization testing was performed. Liberty Utilities performs the odorometer testing for Massac County.</i>		
<b>TRANSMISSION</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		
<i>Massac County has no transmission facilities in their master meter systems.</i>		
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	<b>Not Applicable</b>
[192.745(a)]	Were the valves inspected accessible?	<b>Not Applicable</b>
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	<b>Not Applicable</b>
<b>MARKING OF MATERIAL</b>		<b>Status</b>
[192.63(a)]	Does the operator's components and pipe contain the required markings?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Above ground valves, service regulators and meters were marked with the proper markings.</i>		
<b>OPERATOR QUALIFICATION</b>		<b>Status</b>
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		<b>No</b>
<b><u>General Comment:</u></b>		
<i>Staff conducted a review of the operator qualification plan and associated records and observed that Bill Ward was the only employee currently qualified to perform the covered tasks and was currently qualified. Staff suggested to the director, that a minimum of one more individual be qualified to perform covered tasks, especially leak investigations.</i>		

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